"Express Mail" mailing label number: EV 325 993 597 US

Date of Deposit: December 30, 2004.

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PTO-1390 (Rev. 12-2004)

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TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US)

ATTORNEY'S DOCKET NO. 11336/868 (P02061US)
U.S. APPLICATION NO. (If known, see 37 C.F.R. 1.5)

(ON	ICERN	ING A S	SUBMISS	SION UNDER	35 U.S.C. 371	10	/519760]		
INTERNATIONAL APPLICATION NO.					INTERNATIONA		PRIORITY DAT				
PCT/EP2003/007189 TITLE OF INVENTION					July 4	, 2003	l	July 8, 2002			
1111				HRAGM SYS	STEMS						
APPLICANT(S) FOR DO/EO/US ROBERT POLFREMAN and MICHAEL HARRIS											
Appl	icant	herewith	submits to	the United S	States Designated/	Elected Office (DO/EO/U	IS) the following it	ems and other information	n:		
1.	⋈	This is a FIRST submission of items concerning a filing under 35 U.S.C. 371									
2.		This is a	This is a SECOND or SUBSEQUENT submission of items concerning a filing under 35 U.S.C. 371								
3.	⊠ (21)	This express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9), and indicated below.									
4.	\boxtimes	The US has been elected (Article 31).									
5.	\boxtimes	A copy of the International Application as filed (35 U.S.C. 371(c)(2)).									
		a.	\boxtimes	is transmitt	ed herewith (requir	red only if not transmitted	by the Internation	nal Bureau).			
		b.		has been to	ransmitted by the l	nternational Bureau.			į		
		C.		is not requi	red, as the applica	tion was filed in the Unite	ed States Receiving	ng Office (RO/US).			
6.		An English translation of the International Application into English (35 U.S.C. 371(c)(2)).									
		a.		is attached	hereto.						
		b.		has been p	reviously submitte	d under 35 U.S.C. 154(d))(4).				
7.		Amendm	ents to the	claims of th	e International App	plication under PCT Artic	le 19 (35 U.S.C. 3	371(c)(3)).	•		
	-	a.		are transm	itted herewith (requ	uired only if not transmitte	ed by the Internati	onal Bureau).			
		b.		have been	transmitted by the	International Bureau.					
		C.		have not be	een made; howeve	r, the time limit for makin	ig such amendme	nts has NOT expired.			
		d.		have not be	een made and will	not be made.			· .		
8.		An English translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).									
9.		A combined declaration and power of attorney of the inventor(s) (35 U.S.C. 371(c)(4)).									
10.					the annexes amendments und		Preliminary Ex	camination Report und	der PCT Article		
Item						rmation included:			3 , *		
11.		An Information Disclosure Statement under 37 CFR 1.97 and 1.98.									
.12.		An assignment document (true copy) for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.									
13.		A Preliminary Amendment with Substitute Abstract.									
14.		An Application Data Sheet under 37 CFR 1.76.									
		A substitute specification.									
		A power of attorney and/or change of address letter.									
		A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821-1.825.									
18.		A second copy of the published international application under 35 U.S.C. 154(d)(4).									
19.		A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).									
20.	\boxtimes	Other items or information: Return Post card.									

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 12 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the completed form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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DT12 Rec'd PCT/PTO 3 0 DEC 2004

U.S. API	PLICATION	NO. (If know	vn, see 37 C.F.R. 1.50)	INTERNATIONAL APPLICATION NO.		ATTORNEY'S DOCKE	ATTORNEY'S DOCKET NO.					
		003/00718		11336/	11336/868 (P02061US)							
. 5	Ti . (-1)		CALCULATIONS	PTO USE ONLY								
	21. ☑ The following fees are submitted: ☑ a) Basic national fee											
[X] b) E	ramination f	ee	.00									
⊠ c) Se	earch Fee		.00									
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		TOTAL OF A	<u> </u>	T								
nmaram l	ional tee tor isting filed in	specification a an electronic	\$ 1,000.00									
program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof. \$1,000.00 Surcharge of \$130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date												
(37 CFR 1.492(e)).												
	Claims		Number Filed	Number Extra	Rate							
Total Clai			106 - 20 = 86	80								
	ent Claims		8-3=5		5 x \$ 200							
Multiple d	ependent cl	aim(s) if Applic	able)		+ \$360 F ABOVE CALCUATION		ļ					
		amall antitud	atus. See 37 CFR 1.27. The fees i			5 - \$ 5,300.00	 					
LJ Appi	icani ciaims	small entity st	aus. See 37 CFR 1.27. The lees t	indicated above are led	SUBTOTA	L = \$ 6,300.00						
Processir	n fee of \$1	30 00 for fum	ishing the English translation later	than the 1 30 mont			***					
	ate (37 CFR		coming the English transcription later			\$						
					TOTAL NATIONAL FE							
Fee f	or recording	the enclosed	assignment (37 CFR 1.21(h)). The		companied by an appropriation 3.31), \$40.00 per proper							
<u> </u>					TOTAL FEES ENCLOSE	D= \$6,300.00 Amount to be refunded	<u> </u>					
						charged	\$					
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a.			the amount of \$ 6,300.00 to cover to									
b.	b. Please charge my Deposit Account No. 23-1925 in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed.											
c.	c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.											
d.	d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.											
NOTE: Where an appropriate time limit under 37 CFR 1.494 or 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the application to pending status.												
Send All Correspondence to: Janet A. Pioli												
Brinks Hofer Gilson & Lione P.O. Box 10395 Chicago, IL 60610												
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				Nan	ne							
I												